

USSR/Electricity - Oscilloscopes
Circuit-Breakers
Ionic Rectifiers

MAY 52

"Cathode Oscilloscope With Delayed Sweep for Investigating Ionic Rectifiers and High-Voltage Circuit Breakers," Engr. S. M. Katsnel'son, Ural Polytech Inst

Ural Polytech Inst

240T48 "Elektrichestvo" No 5, pp 48-51

PA Examines possibility of using grid-controlled thyatrons in oscilloscope circuits and gives circuit for cathode-ray oscilloscope with delayed sweep designed

240T48

KATSNEL'SON, S. M.
on this principle. Oscilloscopes of this type have been used for 4 years at UPI and on stand of "Ural-elektrapparat" Plant. Author's work was done at Chair of High-Voltage Techniques, UPI, under direction of M. M. Akodis. Submitted 27 Jun 51.

240T48

KATSNEL'SON, S.M., ZHILKIN, A.N.

Electric Power

Economy of electric power, Tekst. prom. 12 no. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952, Unclassified.

KATONEL'SON, S.M.

✓ 2829. Cathode-ray oscillograph supplied to the Office
of the USSR Ministry of Defense in 1953.
No. 12-48-50. In Russian.

✓ A cathode-ray oscillograph for receiving rapidly-varying processes, e.g. transients, has the advantage over single-pulse supply that the brightness of the image is increased by the superposition of periodically repeated traces in the first image, although there is a certain danger of a decrease of the primary emission of the oxide cathode by fatigue phenomena. An oscillograph of this type for supply at main frequency, where the pulses are produced by grid-controlled thyatrons, is described.

R. E. KRASIN

B. S. Krasin

Best Polytech. Inst. in Kirov

KALPIN, Grigoriy Zakharovich; KATSNEL'SON, S.M., red.; SAVCHENKO, Ye.V.,
tekhn.red.

[New wage structure on state farms] Novoe v opлате труда в сов-
хозах. Москва, Изд-во "Знание," 1959. 38 п. (Всесоюзное
общество по распространению политических и научных
знаний. Сер.5, Сельское хозяйство, №.32) (MIRA 12:12)
(State farms) (Wages)

KOLESNIKOV, Venedikt Andreyevich, prof., doktor sel'skokhoz.nauk;
KATSNEL'SON, S.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Further expansion of fruit culture] Za dal'noishee razvitiye
plodovodstva. Moskva, Izd-vo "Znanie," 1960. 30 p. (Vse-
soiuзnoe ob-vo po rasprostraneniu politicheskikh i nauchnykh
znanii. Ser.5, Sel'skoe khoziaistvo, no.6). (MIRA 13:4)
(Fruit culture)

DOLINYUK, Yevgeniya Alekseyevna, dvazhdy Geroy Sotsialisticheskogo Truda;
VOL'SKIY, V.G., kand.sel'skokhoz.nauk, red.; KATSNEL'SON, S.M.,
red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Corn is a high-yield crop; practices of a field team on the
Stalin Collective Farm in the Mel'nitsa-Podol'skaya District,
Ternopol Province] Kukuruza - vysokourozhainaya kul'tura; opyt
zven'evoi kolkhoza imeni Stalina Mel'nitse-Podol'skogo raiona
Ternopol'skoi oblasti. Pod obshchey red. V.G.Vol'skogo. Moskva,
Izd-vo "Znanie," 1960. 30 p. (Vsesoiuznoe obshchestvo po raspro-
straneniiu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe
khoziaistvo, no.13).
(MIRA 13:7)
(Mel'nitsa-Podol'skaya District--Corn (Maize))

DOLABERIDZE, Mikhail Melitonovich; KATSNEL'SON, S.M., red.; SAVCHENKO,
Ye.V., tekhn.red.

[Subtropical crops of Georgia; tea, citrus fruits, laurel, and
others] Subtropicheskie kul'tury Gruzii; chai, tsitrusovye
kul'tury, blagorodnyi lavr i dr. Moskva, Izd-vo "Znanie," 1960.
30 p. (Vsesoiuznoe obshch'itvo po rasprostraneniu politicheskikh
i nauchnykh znanii. Ser. , Sel'skoe khoziaistvo, no.20).
(MIRA 13:10)

(Georgia--Tropical crops)

MALASHENKO, Ivan Nikitich, Geroy Sotsialisticheskogo Truda; KATSNEL'SON,
S.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Three lambings in two years; work practices of the shepherd
brigade of the Stalin Collective Farm in Kochubeyev District,
Stavropol Territory] Tri okota za dva goda; opyt raboty cha-
banskoi brigady kolkhoza imeni Stalina Kochubeevskogo raiona
Stavropol'skogo kraia. Moskva, Izd-vo "Znanie," 1960. 31 p.
(Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i
nauchnykh znanii Ser.5, Sel'skoe khoziaistvo no.7).

(MIRA 13:3)

1. Starshiy chaban kolkhoza imeni Stalina Kochubeyevskogo (byvsh. Nevinnomysskogo) rayona Stavropol'skogo kraya (for Malashenko).
(Kochubeyev District--Sheep breeding)

SPIVAK, Mark Sidorovich; KATSENL'SON, S.M., red.; ATROSHCHENKO, L.Ye.,
tekhn.red.

[Contribution of the workers of the Ukraine to the advance in
agriculture] Vklad truzhenikov Ukrayny v podzem sel'skogo
khoziaistva. Moskva, Izd-vo "Znanie," 1960. 35 p. (Vsесоiузное
общество по распространению политических и научных знаний.
Ser.5, Sel'skoe khoziaistvo, no.11). (MIRA 13:6)

1. Ministr sel'skogo khozyaystva USSR (for Spivak).
(Ukraine--Agriculture)

KORABLEVA, Lyudmila Ivanovna; kand.sel'skokhoz.nauk; KATSIEL'SON, S.M.,
red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Applying fertilizers the scientific way; based on the
combined experience of the workers of the "Bol'shevik" State
Farm and the Soil Institute of the U.S.S.R. Academy of
Sciences.] Primeniet' udobreniia na nauchnoi osnove; iz opyta
tvorcheskogo sotrudchestva robotnikov sovkhosa "Bol'shevik" i
Pochvennogo instituta Akademii nauk SSSR. Moskva, Izd-vo
"Znanie," 1960. 37 p. (Vsesoiuznoe obshchestvo po raspro-
straneniiu politicheskikh i nauchnykh znanii. Ser.5, no.2)
(Fertilizers and manures)

KATSNEL'SON, S. M.

TERENT'YEV, Makar Leont'yevich; KARPOV, Konstantin Dmitriyevich;
KATSNEL'SON, S.M., red.; ATROSHCHENKO, L.Ie., tekhn.red.

[Make better use of all possibilities in agriculture] Polnec
ispol'zovat' rezervy v sel'skom khoziaistve. Moskva, Izd-vo
"Znanie," 1960. 37 p. (Vsesoiuznoe obshchestvo po rasprostra-
neniu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe
khoziaistvo, no.4) (MIRA 13:2)
(Agriculture)

KRASNOV, Valerian Semonovich; KATSNEL'SON, S.M., red.; SAVCHENKO,
Ye.V., tekhn.red.

[Loose housing of cattle; widespread application of the
experience of collective and state farms] Bespriviaznoe
scderzhanie krupnogo rogatogo skota; obobshchenie opyta
kolkhozov i sovkhozov. Moskva, Izd-vo "Znanie," 1960. 38 p.
(Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i
nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.5).

(MIRA 13:2)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk imeni V.I.Lenina (for Krasnov).
(Stock and stockbreeding) (Dairy barns)

MILOVANOV, Viktor Konstantinovich, akademik; SOKOLOVSKAYA, Irina Ivanovna,
doktor biolog.nauk; KATSNEL'SON, S.M., red.; ATROSHCHENKO, L.Ye.,
tekhn.red.

[Artificial insemination of farm animals; the significance,
present-day status, and future application of artificial insemina-
tion of farm animals] Iskusstvennoe osemenenie sel'skokho-
ziaistvennykh zhivotnykh; znachenie, sovremennoe sostoianie i
perspektivy primeneniia iskusstvennogo osemeneniia sel'skokhoziai-
stvennykh zhivotnykh. Moskva, Izd-vo "Znanie," 1960. 38 p. (Vse-
sciuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh
znanii. Ser.5, Sel'skoe khoziaistvo, no.9). (MIRA 13:6)

1. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh
nauk imeni V.I.Lenina (for Milovanov).
(Artificial insemination)

KATSNEL'SON S.M.

VOVCHENKO, Nikolay Vasil'yevich, Geroy Sotsialisticheskogo Truda;
MEKSYIN, David Vladimirovich, agronom; KATSNEL'SON, S.M., red.;
SAVCHENKO, Ye.V., tekhn.red.

[Seven-year plan of the collective farm in operation] Semiletniy
plan kolkhoza v deistviu. Moskva, Izd-vo "Znanie," 1960. 39 p.
(Vsesoiuznoe obshchestvo po rasprostraneniyu politicheskikh i
nauchnykh znanii. Ser.5, Sel'skoe khozisstvo, no.1). (MIRA 13:2)

1. Predsedatel' kolkhoza imeni Stalina Shirokovskogo rayona Dnepro-
petrovskoy oblasti (for Vovchenko).
(Shirokoye District--Agriculture)

KHANAZAROV, Dzhura Khanazarovich; KUZNETSOVA, Antonina Leont'yevna;
KATSNEI'SON, S.M., red.; SAVCHENKO, Ye.V., tekhn.red.

[First year of the seven-year plan for agriculture in
Uzbekistan] Pervyi god semiletki v sel'skom khoziaistve
Uzbekistana. Moskva, Izd-vo "Znanie," 1960. 39 p. (Vse-
soiuznoe obshchestvo po rasprostraneniu politicheskikh i
nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.12)

(MIRA 13:6)

1. Ministr sel'skogo khozyaystva Uzbekskoy SSR (for Khanazarov).
2. Zamestitel' nachal'nika planovo-ekonomiceskogo upravleniya
Ministerstva sel'skogo khozyaystva Uzbekskoy SSR (for Kuznetsov).
(Uzbekistan--Agriculture)

PROTSEROV, Aleksey Vladimirovich; KATSEL'SON, S.M., red.; SAVCHENKO,
Ye.V., tekhn.red.

[Climate, weather, and crops] Klimat, pogoda i urozhai. Moskva,
Izd-vo "Znanie," 1960. 39 p. (Vsesoiuznoe obshchestvo po
rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe
khozaiistvo, no.3)
(Crops and climate) (MIRA 13:2)

MANUKOVSKIY, Nikolay Fedorovich, Geroy Sotsialisticheskogo Truda;
KATSEL'SON, S.M., red.; SAVCHENKO, Ye.V., tekhn.red.

[Let us employ over-all mechanization on the basis of technical
plans; practices of the tractor brigade on the Kirov Collective
Farm, Umankiy District, Voronezh Province] Primeniaem kom-
pleksnuiu mekhanizatsiu na osnove tekhnologicheskikh kart; opyt
traktornoi brigady kolkhoza imeni Kirova Novo-Umsanskogo raiona
Voronezhskoi oblasti. Moskva, Izd-vo "Znanie," 1960. 40 p.
(Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i
nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.10).

(Umankiy District--Tractors)

(MIRA 13:6)

SIZOV, Ivan Aleksandrovich, prof.; KATSNEL'SON, S.M., red.; SAVCHENKO, Ye.V., tekhn.red.

[Hybridization of agricultural plants is a powerful factor in increasing yields] Gibridizatsiya sel'skokhoziaistvennykh rastenii - moshchnyi faktor povysheniia urozhainosti. Moskva, Izd-vo "Znanie," 1960. 43 p. (Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.8).
(MIRA 13:3)

1. Chlen-korrespondent Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I. Lenina (for Sizov).
(Plant breeding)

TKACHUK, Georgiy Ivanovich, Geroy Sotsialisticheskogo Truda; KATSNEL'SON,
S.M., red.; SAVCHENKO, Ye.V., tekhn.red.

[Experience in the management of the "Ukraina" Collective Farm]
Opyt organizatorskoi raboty kolkhoza "Ukraina." Moskva, Izd-vo
"Znanie," 1960. 46 p. (Vsesoiuznoe obshchestvo po rasprostra-
neniu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe kho-
ziaistvo, no.19).
(MIRA 13:10)

1. Predsedatel' khokhoza "Ukraina" (for Tkachuk).
(Gorodok District--Collective Farms)

DAVIDOV, Aleksey Petrovich; KATSHEL'SON, S.M., red.; ATROSHCHENKO, L.Ye.,
tekhn.red.

[Inventors and efficiency promoters are fighters for technological
progress] Izobretateli i ratsionalizatory - bortsy za tekhnicheskij progress. Moskva, Izd-vo "Znanie," 1960. 47 p. (Vsesoiuznoe obshchestvo po rasprostraneniju politicheskikh i nauchnykh
znanii. Ser.5, Sel'skoe khoziaistvo, no.14).

(MIRA 13:?)

1. Nachal'nik otdela izobretatel'stva i ratsionalizatsii Ministerstva
sel'skogo khozyaystva SSSR (for Davyдов).
(Agricultural machinery)

KAL'BUS, Grigoriy Lavrent'yevich, kand.tekhn.neuk; BOROSHOK, Lev Abramovich, inzh.; KATSNEL'SON, S.M., red.; SAVCHENKO, Ye.V., tekhn.red.

[Mounted agricultural machinery] Navesnaia sel'skokhoziaistven-naia tekhnika. Moskva, Izd-vo "Znanie," 1960, 47 p. (Vsesoiuznoe obshchesatvo po rasprostraneniu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe khoziaistvo, no.21). (MIRA 13:10)
(Agricultural machinery)

RUSAKOV, Georgiy Kuz'mich, kand.sel'skokhoz.nauk; KATSMEL'SON, S.M.,
red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Internal economic planning on collective farms] Vnutri-
khoziaistvennoe planirovanie v kolkhozakh. Moskva, Izd-vo
"Znanie," 1960. 47 p. (Vsesoiuznoe obshchestvo po raspro-
straneniuu politicheskikh i nauchnykh znenii. Ser.5, Sel'skoe
khoziaistvo, no.22).
(Collective farms)

(MIRA 13:11)

KRALIN, Pavel Ivanovich, kand.sel'skokhoz.nauk; KATSNEL'SON, S.M., red.;
ATROSHCHENKO, L.Ye., tekhn.red.

[Manure-soil composts] Navozno-zemlianye komposty. Moskva,
Izd-vo "Znanie," 1960. 47 p. (Vsesoiuznoe obshchestvo po ras-
prostraneniu politicheskikh i nauchnykh znanii. Ser.5, Sel'skoe
khoziaistvo, no.23). (MIRA 13:12)

(Compost)

MOZGOV, Ivan Yefimovich, akademik; KATSNEL'SON, S.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Substances promoting the growth of animals] Stimuliatory rosta zhivotnykh. Moskva, Izd-vo "Znanie," 1960. 35 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh znanii. Ser.5, no.24).

(MIRA 14:1)

1. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Mozgov).
(Growth promoting substances)
(Stock and stockbreeding)

LAANHYAE, Vambola Eduardovich [Leannäe, V.E.], kand.sei'skokhoz.nauk;
VOL'TRI, Leonikhard Yur'yevich [Voltri, L.J.], nauchnyy sotrudnik;
KATSHEL'SON, S.M., red.; ATROSHCHENKO, L.Ye., tekhn.red.

[Fattening meat-type swine; practices of Estonian collective
and state farms] Bekonnyi otkorm svinei; iz opyta kolkhozov i
sovkhozov Estoneskoi SSR. Moskva, Izd-vo "Znanie," 1961. 30 p.
(Vsesoiuznoe obshchestvo po rasprostraneniiu politicheskikh i
nauchnykh znanii. Ser.5. Sel'skoe khozisistvo, no.3).
(MIRA 14:2)

(Estonia--Swine--Feeding and feeds)

ZABAZNYY, Petr Akimovich, kand.sel'skokhoz.nauk; KATSNEL'SON, S.M.,
red.; SAVCHENKO, Ye.V., tekhn.red.

[New stage in the production of field crop seeds] Novyi etap
v semenovodstve sel'skokhozistvennykh kul'tur. Moskva,
Izd-vo "Znanie," 1961. 32 p. (Vsesoiuznoe obshchestvo po
rasprostraneniu politicheskikh i nauchnykh znanii. Ser.5,
Sel'skoe khoziazistvo, no.4). (MIRA 14:2)
(Field crops) (Seed production)

KATSEL'SON, S.M.

Continuous phase-shifting bridge with a potentiometer-type switching
of resistance. Ign.tekh. no. 10:45-49 0'60. (MIRA 13:10)
(Bridge circuits)

9.6000 (1040, 1139, 1159)

32967
S/146/61/004/006/006/020
D201/D301

AUTHOR: Katsnel'son, S. M.

TITLE: A resonant phase-shifting bridge

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priborostroeniye, v. 4, no. 6, 1961, 39-46

TEXT: The author describes and briefly analyzes the operation of a resonant bridge with a continuous phase-shift of the output voltage up to $360^{\circ}K$ where K is an arbitrary number. The angle of phase shift is independent of the bridge load if the varying load is purely resistive and the reactive load remains constant. The bridge circuit diagram (Fig. 1) is a modification of the phase-shifter as proposed earlier by the author. In the modified bridge phase-shifter a reactance is connected between the central point of the transformer and the potentiometer in parallel with the bridge load R_3 . The reactance is tuned to resonate with the constant reactance of the bridge. It is easily shown that the output voltage is shifted with respect to the input by

Card 1/65

A resonant phase-shifting bridge

32967
S/146/61/004/006/006/020
D201/D301

$$\Psi = \arctg \frac{pm(1-m)}{2m-1} \quad (6)$$

where m and p are given by

$$m = \frac{R_1}{R_0}; \quad p = \omega CR_0, \quad n = \frac{R_3}{R_0}$$

in which $R_o = R_1 + R_2$. Eq. (6) shows that for $p = \sqrt{8}$ the phase shift of the output voltage is nearly a linear function of the rotation of the potentiometer wiper, the non-linearity being less than 1.11% and being independent of loading. The non-linearity is expressed as

Card 2/65

A resonant phase-shifting bridge ...

32967
S/146/61/004/006/006/020
D201/D301

$$\frac{\Psi - m}{180^\circ} \cdot 100\%$$

The modulus of the output voltage for this case is, however, minimum and equal to $\sqrt{2}/2$ of that of the input voltage. The bridge design follows its operating requirements. If linearity is not important, the load R_3 is given and constant and p is chosen to lie between 5 and 20. In order that the output voltage does not exceed $\frac{U_o}{2}$, n is found from

$$n = \frac{1}{p - 4} \quad (12)$$

and then $R_o = \frac{R_3}{n}$ and $\omega C = \frac{p \cdot n}{R_3}$. If the linearity of phase shift is

Card 3/85

A resonant phase-shifting bridge

32967
S/146/61/004/006/006/020
D201/D301

essential, p is taken as $\sqrt{8}$ and n is found from

$$n = \frac{U_{\min}^*}{\sqrt{8} - 4U_{\min}^*}$$

where

$$U_{\min}^* \leq \frac{\sqrt{2}}{2}$$

and

$$R_0 = R_3 \left(\frac{\sqrt{8}}{U_{\min}^*} - 4 \right); \quad \omega L = \frac{1}{\omega C} = R_3 \left(\frac{1}{U_{\min}^*} - \sqrt{2} \right)$$

Card 4/b5

32967

A resonant phase-shifting bridge

S/146/61/004/006/006/020
D201/D301

The above circuit makes it possible to obtain a 180° phase shift of the output voltage. To obtain a phase shift of 360° the reactance connected between the potentiometer wiper and one end of the transformer secondary is switched to the other end at the instant when the wiper of the potentiometer goes through its extreme position. The described phase-shifter may be used in all arrangements and instruments requiring a linear phase-shift of the output voltage with respect to the rotation of the potentiometer wiper and a constant phase-shift with load variations. This article was recommended by the Kafedra tekhniki vysokikh napryazheniy (Department of High Tension Techniques). There are 4 figures and 3 Soviet-bloc references.

ASSOCIATION: Ural'skiy politekhnicheskiy institut im. S. M. Kirova (Ural Polytechnic Institute im. S. M. Kirov)

SUBMITTED: February 11, 1961

Card 5/6

KATSNEL'SON, Semen Markovich, insh.

Parallel operation of rectifiers and ionic frequency converters. Izv. vys. ucheb. zav.; elektromekh. 5 no. 6:666-669 '62. (MIRA 15:10)

1. Kafedra tekhniki vysokogo napryazheniya Ural'skogo politekhnicheskogo instituta.

(Electric current rectifiers)
(Frequency changers)

AKODIS, Mikhail Mironovich, doktor tekhn. nauk, prof.; KATSNEL'SON,
Semen Markovich, inzh.

Multimesh series-type electronic frequency converter with joint
cathodes. Izv. vys. ucheb. zav.; elektromekh. 5 no.11:1274-
1279 '62. (MIRA 1:1)

1. Zaveduyushchiy kafedroy tekhniki vysokogo napryazheniya
Ural'skogo politekhnicheskogo instituta (for Akodis).
2. Kafedra tekhniki vysokogo napryazheniya Ural'skogo poli-
tekhnicheskogo instituta (for Katsnel'son).

(Frequency changers)
(Electric current converters)

NIKOLAYEV, G.A., inzh.; KATSNEL'SON, S.M., inzh.

Static 75 cycle frequency converter. Avtom., telem. i sviaz'
7 no.6:13-15 Je '63. (MIRA 17:3)

AKODIS, M.M., doktor tekhn. nauk, prof.; KATSNEL'SON, S.M., inzh.

Electronic converter with increased frequency. Elektricheskoe
no.1:54-59 Ja '64. (MIPA 17s6)

1. Ural'skiy politekhnicheskiy institut imeni Kirova (for Akodis).
2. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta zheleznodorozhnogo transporta.

KATSKHELSON, S.M.

Experience of the Lugansk Woolen and Worsted Combine in the
processing and use of reclaimed wool. Leh. prom. No.4216-17
O-D '64. (MIRA 18:1)

KATSNEL'SON, S.M., kand. tekhn. nauk; NIKOLAYEV, G.A., inzh.

Frequency regulation of self-excited direct current transformers.
Vest. TSNII MPS 24 no.4:40-43 '65. (MIRA 18:7)

1. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta zhelezodorozhного transporta Ministerstva putey soob-
shcheniya, Sverdlovsk.

KATSNEL'SON, S.M., kand. tekhn. nauk; LYUBLIN, I.Sh., inzh.; TRET'YAK, T.P.,
kand. tekhn. nauk; SHIPITSIN, V.V., inzh.

Inverter transformer with increased frequency. Elektrotekhnika 36 no.7:
3-6 Jl '65.
(MIRA 18:7)

ABROSIMOV, G.S.; KATSNEL'SON, S.M.; KHLYMIN, M.N., tervosvarshchik; ABULADZE,
M.A.

Letters to the editor. Put' i put. khez. 9 no.8:1/5 '65.

(MIRA 18:8)

1. Starshiy normirovshchik stantsii Serov-Serirovochnyy,
Sverdlovskoy dorogi (for Abrosimov).
2. Glavnnyy spetsialist
tekhnicheskogo otdela "Kavgi prostrance", Tbilisi (for Katsnel'son).
3. Stantsiya Kirovabad, Zakavkaz'ye dorogi (for Khlymin).
4. Nachal'nik re'l'sosvarechnogo poyazda, stantsiya Orel'sha, Belorus-
skoy dorogi (for Abuladze).

KATSNEL'SON, S.M., kand. tekhn.nauk

Analysis of the work of d.c. converters with parallel inverters
operating in an oscillatory mode. Izv. vys. ucheb. zav.; energ.
8 no.5:21-29 My '65. (MIRE 18:6)

1. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo
instituta zheleznodorozhного transporta. Predstavlena kafedrой
tekhniki vysokikh napryazheniy Ural'skogo politekhnicheskogo
instituta.

L 25459-66 EWA(h)/EWT(1)

ACC NR: AP6011213

SOURCE CODE: UR'0413/66/000/006/0046/0047

INVENTOR: Katsnel'son, S. M.; Nikolayev, G. A.; Tret'yak, T. P.

ORG: none

TITLE: A single-phase relaxation bridge inverter. Class 21, No. 179833 [announced by Ural Department Scientific Research Institute of Railway Transportation (Ural'skovo otdeleniye, nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta)!
Yestoyaz noz]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 46-47

TOPIC TAGS: electric inverter, electric filter, electronic rectifier

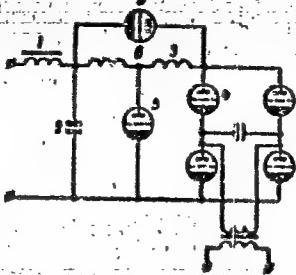
ABSTRACT: This Author's Certificate introduces a single-phase relaxation bridge inverter with an inductance-capacitance filter at the input. The inductive reactance in the tank circuit is connected between a group of rectifiers and the filter capacitor. The filter capacitor and the inductance in the tank circuit are used for switching off the inverter in emergency conditions. The emergency disconnection speed is increased and the fixed power of the disconnection equipment is reduced by using two additional controlled rectifiers. The inductive reactance in the tank circuit is divided into two sections and one of the controlled rectifiers is connected in parallel with this reactance while the other rectifier is connected in parallel with the filter capacitor and one section of the reactance.

UDC: 621.314.572.025.

.1:521.316.9

Card 1/2

L 25459-66
ACC NR: AP6011213



1--input inductance; 2--filter capacitor; 3--inductive reactance of the tank circuit;
4--rectifier group of the inverter; 5--additional controlled rectifiers; 6--section
of the inductive reactance in the tank circuit

SUB CODE: 09/

SUBN DATE: 09Feb65/

ORIG REF: 000/

OTH REF: 000

Card 2/2 C.B.

L 39634-66 EWT(1) GD-2
ACC NR: AP6002881

SOURCE CODE: UR/0286/65/000/024/0040/0040

AUTHOR: Akodis, M. M.; Katenel'son, S. M.; Kurashko, Yu. I.

ORG: none

TITLE: Frequency converter²⁵ with a "nonsalient" d-c circuit, Class 21,
no. 176974

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 40

TOPIC TAGS: frequency converter, direct current, transformer, electron
tube, capacitor, frequency doubling

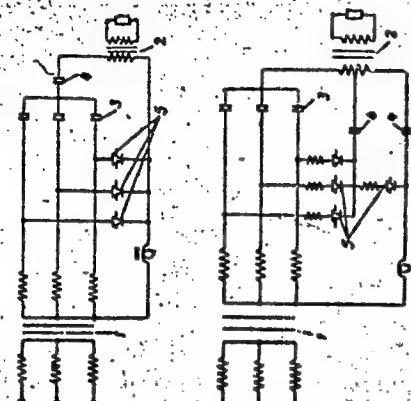
ABSTRACT: The frequency converter with a "nonsalient" d-c circuit,
consisting of a power transformer, electron tubes, filter and commuta-
ting capacitors, and an output transformer, is characterized by the
fact that three filter capacitors joined in a star are connected at the
dead center to the output transformer by the commutating capacitor, and
phase by phase to the leads of the secondary winding of the power trans-
former and to the anodes of three electron tubes, whose cathodes are
joined and connected to the primary winding of the output transformer.
This is done in order to simplify the frequency converter and to in-
crease the utilization of the electron tubes. The converter, is
characterized by the fact that a fourth electron tube is connected to

Card 1/2

L 39634-66

ACC NR: AP6002881

the joined cathodes of the three above mentioned electron tubes. This fourth electron tube is also connected through capacitors to the center point of the winding of the output transformer by the anode and to the end of this winding by the cathode. This is done in order to double the frequency.



1. power transformer
2. output transformer
3. filter capacitors
4. Commutating capacitors
5. electron tubes

SUB CODE: 09

SUBM DATE: 25Mar63

Card 212MLP

L 08995-67 EWT(1)

ACC NR: AP6012118

(A, N)

SOURCE COLE: UR/0413/66/000/007/0028/0029

AUTHORS: Katsnel'son, S. M.; Trot'yak, T. P.

20

ORG: none

TITLE: Parallel inverter⁷ Class 21, No. 180245 [announced by All-Union Scientific Research Institute of Railroad Transportation (Ural Branch) (Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhного transporta (Ural'skoye otdeleniye))]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 7, 1966, 28-29

TOPIC TAGS: gas rectifier, electric inverter, electric capacitor,
RC circuit

ABSTRACT: This Author Certificate presents a parallel inverter of controllable ion rectifiers. It contains a switching capacitor, saturable reactors connected in series in the rectifier anode circuits, and damping RC circuits. To reduce the probability of reverse triggering and to improve the reliability of operation, the switching capacitor is connected between the saturable reactors. The reactors are of the autotransformer type to whose taps the load is connected (see Fig. 1).

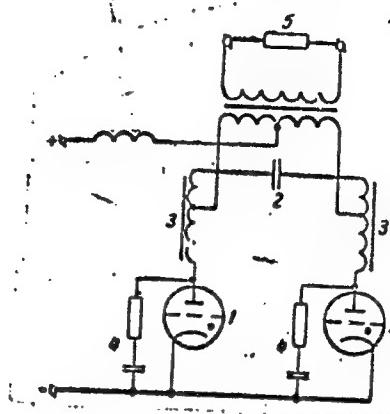
Card 1/2

UDC: 621.314.572

L 08995-67

ACC NR: AP6012118

Fig. 1. 1 - controllable ion rectifiers;
2 - switching capacitor;
3 - saturable reactors; 4 - damping
RC circuits; 5 - load



Orig. art. has: 1 diagram.

SUB CODE: 09/ SUBM DATE: 09Feb65

ACC NR: AP7000322

(A)

SOURCE CODE: UR/0413/66/000/022/0060/0060

INVENTOR: Katsnel'son, S. M.; Koshcheyev, L. G.; Tret'yak, T. P.

ORG: none

TITLE: Converter. Class 21, No. 188566. [announced by the Ural Branch of the All-Union Scientific Research Institute of Railway Transportation (Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhного transporta)]

SOURCE: Izobreteleiya, promyshlennyye obraztsy, tovarnyye znaki, no. 22, 1966, 60

TOPIC TAGS: ~~nonrotary power converter~~, nonrotary electric power converter, RC circuit, resistor

ABSTRACT: The proposed converter contains several autonomous inverters operating in parallel and synchronized by the action on their grid control systems. To simplify the control system and to increase its reliability the inverters are self-controlled with phase-shifting RC or RL circuits in the grid control systems. A resistor is included between the connection points of elements of the phase-shifting circuits of neighboring inverter. Orig. art. has: 1 figure.

Card 1/2

UDC: 621.314.572.072.9

ACC NR: AP7000322

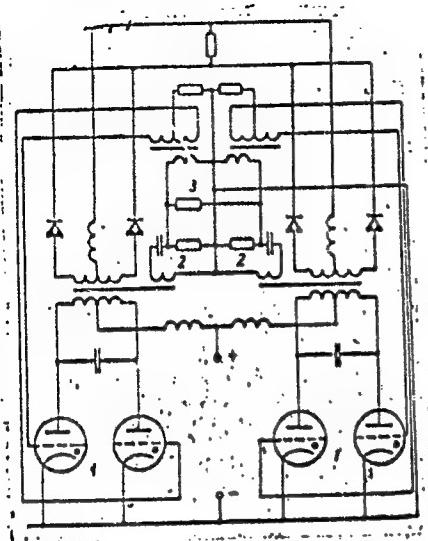


Fig. 1. Converter

- 1 - Autonomous inverters
- 2 - phase-shifting circuits
- 3 - resistance.

SUB CODE: 1009 / SUBM DATE: 09Feb65

Card 2/2

KATSNEL'SON, S.M.

Resonance phase-shifting bridge. Izv.vys.ucheb.zav.; prib.
4 no.6:39-46 '61. (MIRA 14:12)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.
Rekomendovana kafedroy tekhniki vyaokikh napryazheniy.
(Bridge circuits).

KATSNEL'SON, S.M., inzh.; SHVARTS, G.K., inzh.

Methods for automatic voltage control of self-regulated autonomous
ionic frequency converters. Elektrichestvo no.11:71-76 N '62.
(MIRA 15:11)
(Frequency changers) (Electric current converters)

EMETS, V • KATSNEL'SON, V.

Pl. 1 and labor productivity. Sots. trud 8 no.1:43-47
Ja 63. (NIRA 16:2)

1. Odesskiy sovet narodnogo khozyaystva (for Yemets).
2. Direktor shveynogo ob'yedineniya imeni Vorovskogo,
Odessa.
(Odessa Province--Clothing industry—Labor productivity)

KATSNEL'SON, V.B.; RYLOV, V.A.; MANUYLOV, P.N., inzh., red.;
MORGULIS, L.S., ved. red.; GLAZOVA, G.D., tekhn. red.

[Experience in the automation of the turbine departments of
electric power plants] Opyt avtomatizatsii turbinnykh tsakhov
elektrostantsii. Moskva, Biuro tekhn. informatsii, 1961. 25 p.
(MIRA 15:12)

(Electric power plants)
(Automatic control) (Steam turbines)

KAT'YON, V. I., TARAKOVSKIY, A. A., and PALEYEV, I. I.

"Diffusion Method of Investigation of Heat and Mass Transfer
Between a Particle and Pulsing Medium."

Report submitted for the Conference on Heat and Mass Transfer,
Minsk, BSSR, June 1961.

KATSNELSON, V. S.

"V. S. Katsnelson: Biotic Factors of the Medium (Environment) and Their Classifications." (p. 205.)

SO: Journal of General Biology, Vol. VI, contents of the issues 1-6, for 1945. No. 3

KATSNEL'SON, V. Yu.

LAPIN, N. A.; KATSNEL'SON, V. Yu.

[Rapid machining of steel during removal of a large cut] Skoro-stnoe techenie stali pri sniatii struzhki krupnogo secheniya.
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry,
1952. 92 p.

(NRA 8:10)

(Steel) (Metal cutting)

LAPIN, N.A., KATSEK'SON, V.Yu.; BALANDIN, A.P., inzhener, redaktor;
UVAROVA, A.P., tekhnicheskiy redaktor

[Curling of shavings according to the innovator A.I.Merkulov's
method] Struzhkozavivanie po metodu novatora A.I.Merkulova. Mo-
skva, Gos. nauchno-tekhn. izd-vo mashinostroitel'noi lit-ry, 1955.
28 p.

(MIRA 8:?)

(Metal cutting)

KATSNEL'SON, V. Yu.

KATSNEL'SON, V. Yu., inzhener.

Investigating new types of hard titanium alloys by grinding steel
with removal of large shavings. [Trudy] TSNIITMASH no. 82:112-139
'57. (MLRA 10:9)

(Titanium alloys--Testing) (Steel--Cold working)

KATSNEL' SON, V. Yu.

<p>207/1 BOOK BIBLIOGRAPHIES Kudinov, Anat. 1956. <i>Torches antiarmementes</i>. Moscow, Znaniye. 157 p. 6,000 copies printed. Sergeev, N. A. 1956. Doctor of Technical Sciences, Professor. Head of Publishing Bureau, G. B. Chertkov's Tech. Coll.: N. P. Tropin. Research. Data collection of articles to be submitted for scientific personnel and production engineers engaged in the manufacture and use of cutting tools. Contents: The collection contains papers and data on a number of scientific publications written originally and translated by the author on mechanical manufacturing and automation of processing of machine materials. The author discusses the cutting properties of various metal materials, the effect of various factors on cutting tools, the problems of wear and the possibility of using cutting tools more effectively - as permanent and interchangeable elements of each article. There are 62 references in the article.</p>	(6)
<p>Bogolyubov, N. S. <i>Properties [Distribution] on the Sections of the Cut- ting Tools, and the Law of Cutting Edge Tools</i></p>	49
<p>Bogolyubov, N. S. <i>Properties [Distribution] on the Sections of the Cut- ting Tools, and the Law of Cutting Edge Tools</i></p>	63
<p>Bogolyubov, N. S. <i>Properties on the Flank of the Tool</i></p>	71
<p>Bogolyubov, N. S. <i>Special Features of the Wear of Carbide Tools in Cutting Carbon Steel</i></p>	79
<p>Bogolyubov, N. S. <i>Selection of Tools or Hard-Alloy Cutting Tools</i></p>	82
<p>Sazanov, N. B. <i>Investigating the Intensity of Wear of a Hard-Alloy Tool</i></p>	105
<p>Nekrasov, I. G. <i>Problems of Accuracy and Surface Smoothness in the Fine Turning of Steel with Carbide Single-Point Tools</i></p>	115
<p>Ishin, N. F., and S. S. Kupidinov. <i>Machining High-Strength Steels With General-Tipped Sliding-Joint Tools</i></p>	128
<p>AVAILABILITY: Library of Congress Card 3/3</p>	<p>TK/rru/21 5-15-61</p>

ZOREV, N.N., doktor tekhn.nauk; TASHLITSKIY, N.I., kand.tekhn.nauk;
KUCHMA, L.K., kand.tekhn.nauk; VERSHINSKAYA, A.D., inzh.;
OVUMYAN, G.G., inzh.; ISAYEV, A.I., doktor tekhn.nauk; KIRILLOVA,
O.M., kand.tekhn.nauk; KATSNEL'SON, V.Yu., inzh.; LAPIN, N.A.,
kand.tekhn.nauk; FEDOROV, N.M., inzh.; CHERNYY, A.P., inzh.;
MOROZOV, N.A., inzh.; DOGAK, N.S.; ANDREYEV, G.S., kand.tekhn.nauk;
MIKHAYLENOK, Ye.I., kand.tekhn.nauk; MAKAREVICH, B.K., kand.tekhn.
nauk; YEREMIN, N.I., kand.tekhn.nauk; YERMOLOV, I.N.; inzh.;
UNKSOV, Ye.P., doktor tekhn.nauk, prof., red.; SOBOLEVA, G.N.,
red.izd-va; CHERNOVA, Z.I., tekhn.red.

[Engineering problems in the manufacture of heavy machinery]
Nekotorye voprosy tekhnologii tiazhelogo mashinostroenia. Moskva,
Gos.nauchno-tekhn.izd-vo mashinostroitel'noi lit-ry. Pt. 2 [Metal
cutting and quality control of parts] Obrabotka metallov rezaniem
v kontrol' kachestva detalei. 1960. 173 p. (Moscow. TSentral'nyi
nauchno-issledovatel'skii institut tekhnologii i mashinostroenia.
(MIRA 13:8)
[Trudy], vol.99).

(Machinery industry)
(Metal cutting)
(Quality control)

KATSOBASHVILI, V.Ya.; SAFRONENKO, Ye.D.; AFANAS'YEV, I.B.

Determination of the chain transfer constants in the reaction of ethylene with ethyl iodide. Vysokom. soed. 7 no.5:823-827 My '65.
(MIRA 18:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza.

ACC NR: AP6035884

SOURCE CODE: UR/0413/66/000/020/0124/0124

INVENTOR: Badayeva, A. A.; Pervaya, A. S.; Tutov, I. Ye.; Katsnel'son, V. Yu.;
Kuz'mintsev, V. N.; Koloskov, M. M.; Kulich, V. P.

ORG: none

TITLE: High speed steel. Class 40, No. 187314 [announced by the Central Scientific Research Institute of Technology and Machine Building (Tsentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostroyeniya); All-Union Scientific Research Tool Institute (Vsesoyuznyy nauchno-issledovatel'skiy instrumental'nyy institut)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 20, 1966, 124

TOPIC TAGS: high speed steel, chromium tungsten molybdenum steel, vanadium containing steel, titanium containing steel, DUCTILITY, TOUGHNESS

ABSTRACT: This Author Certificate introduces a high-speed steel containing silicon, manganese, chromium, tungsten, molybdenum, vanadium and titanium. To improve the strength, ductility, notch toughness, and oxidation and heat resistance and to reduce carbide heterogeneity, the steel composition is set as follows: 0.75—0.85% carbon, 0.17—0.35% silicon, 0.20—0.40% manganese, 3.5—4.5% chromium, 2.5—3.0% tungsten, 2.5—3.0% molybdenum, 1.9—2.2% vanadium, 0.03—0.08% titanium.

SUB CODE: 11/ SUBM DATE: 05Jun65/

Card 1/1

UDC: 669.14.018.252.3

KATSNEL'SON, Ye., inzh.

Standard designs of garages for passenger automobiles. Avt.
transp. 37 no. 7:23-25 J1 '59. (MIRA 12:10)
(Garages)

~~KATSNEL'SON, Ye., inzh.~~

Modernization of automotive transportation units in Leningrad.
Avt.transp. 38 no.3:18-19 Mr '60. (MIRA 13:6)
(Leningrad—Transportation, Automotive)

MALYAR, S.M.; FRIDENTAL, S.Kh.; KATSNEL'SON, Ye.A.; KUZNETSOV, F.F.;
LIBER, V.P.; DEGTYAREV, I.T.

Fork lift with hydraulic control for the T-107 tractor loader.
Rats. i izobr.predl. v stroi. no.89:6-9 '54, (MIRA 9:6)
(Lumbering--Machinery) (Loading and unloading)

KATSNEL'SON, YE. N

33596 Sluchay Atipichno Protékavshego Tonzillogennego Sepsisa. Vestnik
Ctorinolaringologii, 1949, No, 5, C. 77-78

SO: Letopis'nykh Statey, Vol. 45, Moskva, 1949

KATSNEL'SON, E.N.

Comparative characteristics of scarlatinal aural, nasal and laryngeal complications for the past 10 years (1937-1947). Vest. otorinol. 13 no.1:82 Jan-Feb 51. (CLML 20:5)

1. Candidate Medical Sciences. 2. Of the Clinic for Diseases of the Ear, Throat, and Nose (Acting Head--Prof. I.M.Rosenfel'd), Leningrad Institute for the Advanced Training of Physicians imeni S.M.Kirov and of the Hospital imeni V.Slutskaya (Head Physician--S.G.Shahbudagov).

1. KATSNEL'SON, YE. N.
2. SSSR (600)
4. Nose, Accessory Sinuses of
7. Hemorrhage following puncture of the maxillary sinus in myeloid leukemia.
Vest. oto-rin. 14 No. 6. 1952

9. Monthly Lists of Russian Accessions, Library of Congress, March 1953, Unclassified.

KATSNEL'SON, Ye.N., kandidat meditsinskikh nauk.

Treatment of certain broncho-pulmonary diseases with intratracheal penicillin with ephedrine,
Vest. oto-rin. 15 no. 4:90 Jl-Ag '53.

Bol'ničsa im. Sverdlova, Leningrad. (Lungs--Diseases) (Bronchi--Diseases)

EXCERPTA MEDICA Sec.11 Vol.10/10 Oto-Rhino-Laryng Oct57
KATSNELSON E. N.

1857. KATSNELSON E. N. Leningrad. *Treatment of closed oesophageal lesions and their complications (Russian text) VESTN. OTO-RINO-LARING. 1957, 2 (17-21)

In closed oesophageal lesions and their complications, early conservative treatment is preferential to operative intervention and, if indicated, surgical aid should be sparing. The treatment of closed oesophageal lesions and their complications consists in the following: (1) Exclusion of the oesophagus from the process of food intake for 6 - 7 days. (2) Massive doses of antibiotics as early as possible. (3) The use of lipiodol or sezgosine and not barium in radioscopy of the oesophagus. Feeding is effected by i.v. administration of glucose, transfusions of blood and saline solutions, vitamins, nutritive enema.

*Chair of Diseases of Ears, Nose & Throat
Leningrad O.L. Dual Advanced
Training of Physicians*

KATSNEL'SON, Ye. N., kand.med.nauk

Nevogenic tumor of the nose. Vest. otorin. 21 no. 5:94-95 S-O '59.
(MIRA 13:1)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. V.G. Yermolayev) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni S.M. Kirova i bol'nitsy imeni Lenina.

(NOSE, neoplasms)
(MELANOMA, case reports)

KATSNEL'SON, Ye. N., kand.med.nauk

Plasmocytoma of the pharynx. Vest. otorin. no. 6:96-97 '61.

(MIRA 15:1)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. kafedroy - prof. V.G. Yermolayev) Leningradskogo ordena Lenina instituta usovetshenstvovaniya vrachey imeni S.M. Kirova.
(PHARYNX--TUMORS)

KATSNEL'SON, Ye.N., kand.med.nauk

Three cases of a benign tumor of the external auditory canal.
Zhur.ush., nos.i gorl.bol. 22 no.2:68-69 Mr-Ap '62.

(MIRA 15:11)

1. Iz kliniki bolezney ukha, gorla i nosa (zav. - prof. V.G. Yermolayev) Leningradskogo Ordona Lenina instituta usovershenstvovaniya vrachey imeni S.M.Kirova i Otorinolaringologicheskogo otdeleniya bol'nitsy imeni Lenina.

(EAR--TUMORS)

KATSNEL'SON, Ya.N., kand. med. nauk

Case of progressive congenital labyrinth hearing disorder.
Vest. oto-rin. 25 no.2:102-103 Mr-Ap '63.

(MIRA 17:1)

1. Iz kliniki bolezney ukha, nosa i gorla (zav. kafedroy -
prof. V.G. Yermolayev) Leningradskogo ordena Lenina instituta
usovershenstvovaniya vrachey imeni S.M. Kirova i bol'nitsy
imeni V.I. Lenina, Leningrad.

SOURCE: Plasticheskaya massa, no. 4, 1965, 1A-22

ABSTRACT: Hardening phenomena occurring in polymer resins are discussed. The substance tested was a 70% styrol mixture of polyethylene glycol methacrylate. The mixture was cured at controlled ambient temperature, and measurements of

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130011-5

COPIE 1 / 6

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130011-5"

"APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130011-5

ASSOCIATION: none

NO REF Sov: 001

OTHER: 006

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130011-5"

L-13019-51 EPP(c)/EPR/EWP(j)/EWT(m)/BDS AFFTC/ASD Pr-4 Ps-1 F-1 P-1
ACCESSION NO.: 40199426 5/0192/63/200/00000000

AUTHOR: Mikolayev, A. F.; Levitakaya, O. M.; Bryantssova, L. N.; Katsnel'son, Ye. Z.

TITLE: Some characteristics of an epoxy-phenol binder for SVAM

SOURCE: Plasticheskiye massy, no. 5, 1963, 67-68

TOPIC TAGS: SVAM, epoxy-phenol binder, epoxy phenol resin

ABSTRACT: SVAM is prepared from a basic material containing 70% epoxy resin (ED-6) and 30% resol resin; its physico-mechanical properties are dependent on the composition and properties of the epoxy-phenol resin. The resin described here was obtained by combining acetone solutions of ED-6 resin (17-18% epoxy-groups) with a resol phenol-formaldehyde resin (9-10% free phenol) in a ratio of 70:30. It kept well for 60 days, but did not undergo satisfactory hardening even after 30 minutes at 140-200°. An insoluble (non-hardening) portion of 15% or more always remained, lowering the thermostability and rigidity of the material and affecting its physico-mechanical properties. It is suggested that thermosetting might be improved by modifying the composition of the epoxy-phenol resin, matching it with a special resol phenol-formaldehyde resin, and using a catalyst. Orig. art. has: 3 figures.

Cord 1/2

KATSNEL'SON, Yu., inzh.

Climatic zoning of Turkmenistan for city planning. Zhil. stroi.
no.9:17-19 '64. (MIRA 17:12)

KATSNEL'SON, Yu., inzh.

Urban development in the Turkmen S.S.R. Zhil. stroi. no.2:14-15
F '61. (MIRA 14:1)

(Turkmenistan--City planning)

DUGUYEV, V.; KATSNEI SON, Yu., inzhener

Apartment-house construction in Turkmenia. Zhil. stroi. no. 6:11-14 '62.
(MIRA 15:7)

1. Direktor instituta Turkmengosproekt (for Duguyev).
(Turkmenistan--Apartment houses)

KATSENEL'SON, YU. D.

"History of Natural Science" (Istoriya Nauk), compiled by O. A. Staromel'-skaya-Nikitina assisted by O. Z. Krasnoukhova and Yu. D. Katsenel'son, edited by D. D. Ivanov and N. A. Figurovskiy, Academy of Sciences USSR, Moscow/Leningrad, 1949, 516 pages, 55 rubles.

Bibliographical data on materials published from 1917 to 1947 by Soviet scientists.

SO: Uspekhi Khimii, Vol 18, #6, 1949; Vol 19, #1, 1950 (W-10083)

L 13019-63 EPP(c)/EPR/EWP(j)/EWT(m)/BDS FFTC/ASD Pr-h/Ps-h/Po-h 83/57
ACCESSION NR: AP3000408 S/0191/63/000/005/0067/0068

AUTHOR: Nikolayev, A. P.; Levitskaya, O. M.; Brusentsova, L. M.; Katenel'son,
Ye. Z.

TITLE: Some characteristics of an epoxy-phenol binder for SVAM

SOURCE: Plasticheskiye massy*, no. 5, 1963, 67-68

TOPIC TAGS: SVAM, epoxy-phenol binder, epoxy phenol resin

ABSTRACT: SVAM is prepared from a basic material containing 70% epoxy resin (EP-6) and 30% resol resin; its physico-mechanical properties are dependent on the composition and properties of the epoxy-phenol resin. The resin described here is obtained by combining acetone solutions of ED-6 resin (17-18% epoxy-groups) with a resol phenol-formaldehyde resin (9-10% free phenol) in a ratio of 70:30. It kept well for 60 days, but did not undergo satisfactory hardening even after 30 minutes at 140-200°C. An insoluble (non-hardening) portion of 15% or more always remained lowering the thermostability and rigidity of the material and affecting its mechanical properties. It is suggested that thermosetting might be improved by modifying the composition of the epoxy-phenol resin, matching it with a resol phenol-formaldehyde resin, and using a catalyst. Org. akt. 121

Cord 1/A

KATSNEL'SON, Z.N.

22080 Katsnel'son, Z.N. Primeneniye penitsillina pri nekotorykh khirurgicheskikh zabolevaniyakh. V sb: Penitsillinoterapiya, M., 1949, s. 115-27

SO: Ietopis' Zhurnal'nykh Statey, No. 29, Moskva, 1949.

KAZNELSON, Z. S.

"Hystogenesis of the Striated Muscle Tissue", (p. 1024) by Kaznelson, Z. S.

SO: Advances in Contemporary Biology (USPEKHI SOVREMENNOI BIOLOGII) Vol. V, No. 6, 1936

KAZNELSOV, S.

"Hoffmann, H., Guide to Histologic investigations." (German) (p. 159) Rev. by
Kaznelsov, S.

SO: Advances in Contemporary biology (Uspekki Sovremennoi Biologii) Vol. VII, No. 1,
1937.

KATZNELSON, Z. D.

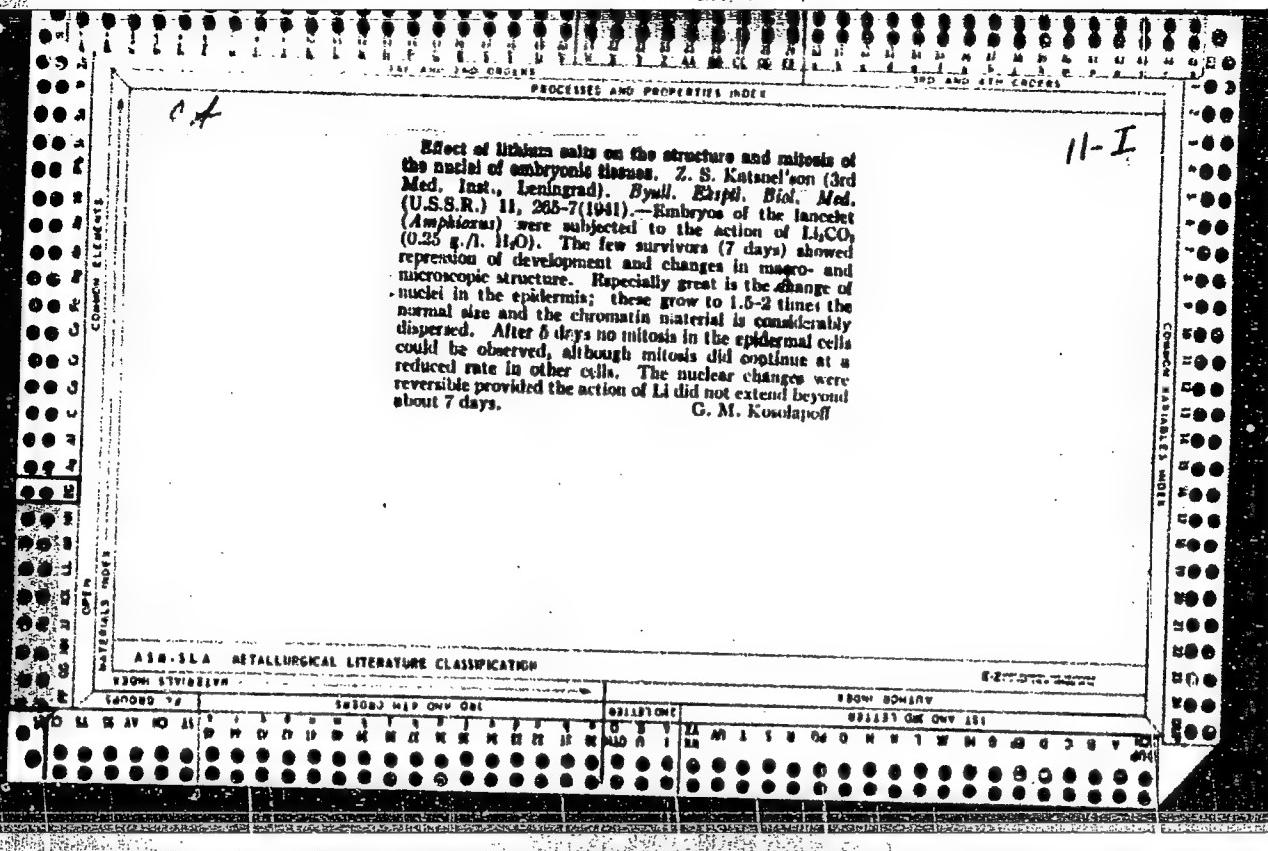
"The Principal Stages of the History of Cell-Doctrine" (p. 96) by Katznelson, Z. D.

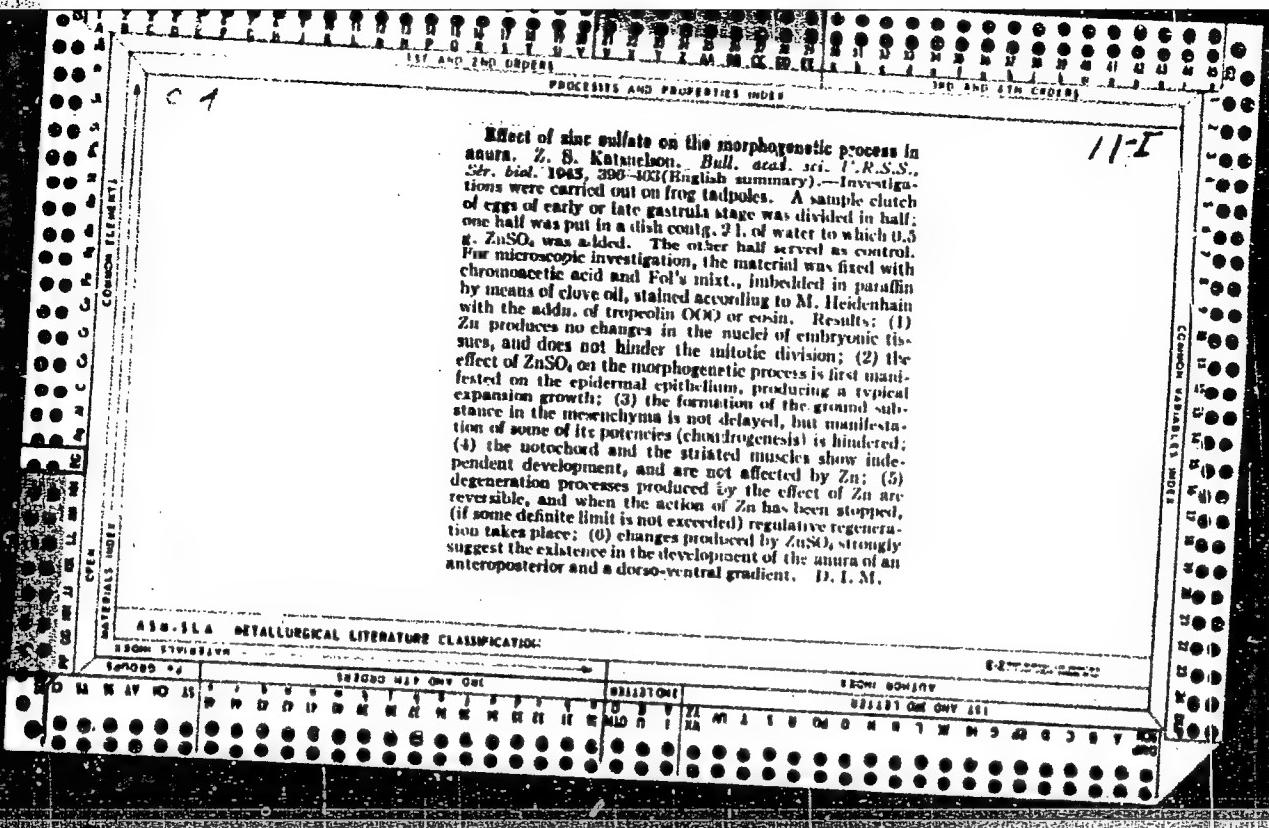
SO: Advances in Contemporary Biology, (Uspekhi Sovremennoi Biologii), Vol. X, No. 1,
1939

KAZNELSON, Z. C.

"Kaznelson, Z. C., Hundred years of cell-theory" (p. 570) Rev. by Salkind, S. J.

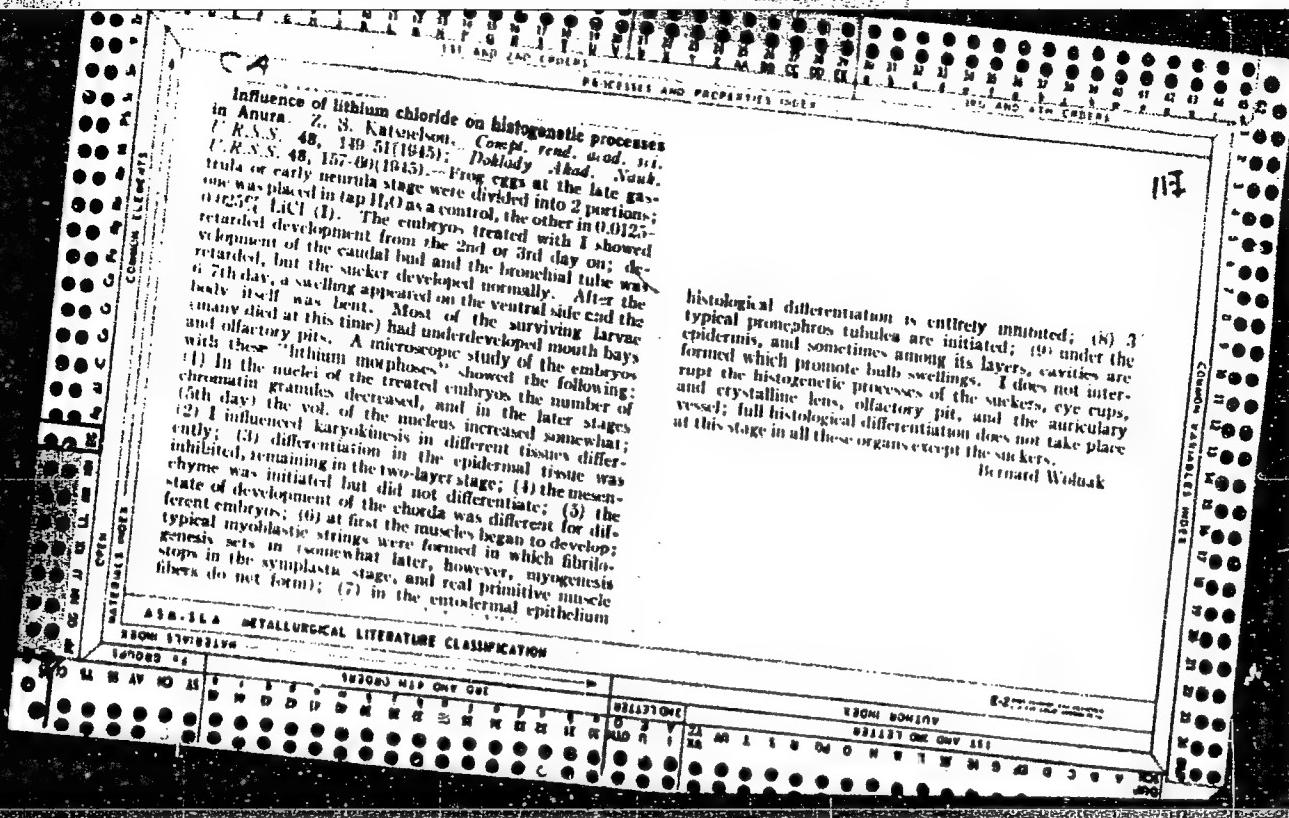
SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologie) Vol. XII, No. 3, 1940





APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000721130011-5"



KATSNEL'SON, Z. S.

(3)
(7.) "Formation of the First Blood Cells from Part of the Lateral Leaves of Moss,"

Dok. AN, 54, No. 7, 1946

KATSNEL'SON, Z. S.

Mbr., ~~Army-Navy Medical Academy~~, Chair of General Biology (-1947-)

"Experimental Separation under the Influence of Lead Salts of the Yolk and Intestinal Entoderms in the Frog Embryo," Dok. AN, 58, No. 9, 1947

"The Structure of Miofibril of Transversally Striated Skeletal Muscle Fiber," Dok. AN, 58, No. 7, 1947

112

Experimental disconnection of intestinal and yolk endo-
sperm in frog embryos under the action of lead salts.
Z. S. Katsnel'son. Doklady Akad. Nauk S.S.R. 58,
2123-0 (1947).—*Rana temporaria* eggs treated 6 days with
0.005% PbCl₂ soln. showed retardation of gastrulation and
septn. of the yolk endosperm from the compn. of the
intestinal canal. The treated specimens failed to show re-
sorption of the endosperm at the time interval displayed by
the normal specimens.

G. M. Knoblauch

KATSNEL'SON Z. S. Prof

PA 9/49T64

USSR/Medicine - Histology
Medicine - Embryology

Sep 48

"Bibliography of Soviet Literature on Histology and
Embryology," Prof Z. S. Katsnel'son, t p

"Priroda" No 9

Chair of Gen Biol, Nav Med Acad, is preparing a
bibliography of Soviet literature on histology and
embryology for 30 years of Soviet rule. Requests
all scientists to communicate with Med Acad and
submit bibliographies of their work.

9/49T64

PA 3/49T64

KATSNEL'SON, Z. S.

USSR/Medicine - Embryology
Medicine - Biology

Mar/Apr 48

"Gastrulation and the Formation of Endoderm,"
Z. S. Katnel'son, Leningrad, 8 pp

"Uspekhi Sovrem Biol" Vol XXV, No 2

Discusses gastrulation and indicates some errors
in existing concepts of this process. Accepts
views of K. Peter on existence of primary and
secondary endoderms, with certain reservations.

3/49T64

KATSNEL'SON, Z. S.

"Size Attained by the Caudal End of the Notachord in Tailless Amphibia,"
Dok. AN, 61, No. 4, 1949. Chair of Gen. Biol., Naval Med. Acad. c1948-.

"The Influence of Lithium Salts in the Out-come of Histo-Genetic
Occurrences in Urodeum," Dok. AN, 28, No. 3, 1940. (Lab. of General
Biol. of the Third Medical Inst. in Leningrad. c1940-.)

USSR/Medicine - Amphibians, Cytology
Medicine "Embryology"

PA 53/49T58
"Trinitorial Characteristics of the Cytoplasm in the
Trinitorial Embryo During the Early Stages of
Amphibian Embryo During the Early Stages of
Development," E. S. Katsnel'son, Sov Med Akad,
Development, 2 3/4 pp

"Bok Ak Nauk SSSR" Vol LXII, No 5
PA 53/49T58
Trinitorial peculiarities are without doubt related
to presence of a large amount of yolk in the cyto-
plasm of embryonal cells in amphibia, but do not
depend wholly on this circumstance. This cells in
plasm has not been found in birds whose cells in
plasm of embryonal cells in amphibia, but do not
depend wholly on this circumstance. This cells in
plasm has not been found in birds whose cells in

Oct 10
53/49T58

USSR/Medicine - Amphibians, Cytology
(Contd)

PA 53/49T58
"Trinitorial characteristics of the cytoplasm in the
early stages also contain yolk impurities. Sub-
mitted by Acad L. A. Orbell, 4 Aus 48.

KATSNEL'SON, E. S.

53/49T58

KATSNEL'SON, Z. S.

24257

KATSNEL'SON, Z. S. Opyt primeneniya Khiricheskikh vozdeystviy dlya eksperimental'nogo izucheniya gistogrameneza. Trudy Akad. med. nauk SSSR, T. III, 1949, s. 45-52.

SO: Letopis, No. 32, 1949.

KATSNEL'SON, Z.S.

Amitotic division of nerve cells in cerebrospinal ganglions. Dok-
lady Akad.nauk SSSR 76 no.6:889-891 21 Feb 51. (CLML 20:6)

1. Presented by Academician A.I.Abrikosov 29 December 1950.